Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

JNANA BHARATHI
BANGALORE - 560 056

FOR QUALITY & EXCELLENCE IN HIGHER EDUCATION
★ ★ ★ ★ ★
Accredited by NAAC

BUB/CTE/2015-16/ **Date: 11-05-2015**

TEST REPORT ON WET MIX MACADAM MIX
(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to Road at UAS Apartment Road in Ward No.09 Vidyaranyapura Sub-Division Change of Work: improvements to Road from Venkateswamappa Layout to Gnaneshwari Layout Main Road in Ward No.09 Vidyaranyapura Sub-Division}

Ref. : Letter No. Testing/BUB/2015-16, dated 08-05-2015
Sample supplied to lab by : Assistant Executive Engineer,
Vidyaranyapura Sub-Division
BBMP, Bangalore
Name of the Contractor/Agency*: Smt Shantha Kumari, Contractor, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, IV Revision-2001
53.00	**100.00**	100
45.00	**97.00**	95-100
26.50	**---**	-
22.40	**74.50**	60-80
11.20	**45.30**	40-60
4.75	**36.00**	25-40
2.36	**22.30**	15-30
0.600	**14.50**	8-22
0.075	**3.50**	0-8

*As Furnished by Client.
The Results relate only to the items tested.

Accepted

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G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Campus
BANGALORE UNIVERSITY
Bangalore-560 056.

11/05/2015

Dr. MANJESH .L
ME (Civil Engg .). Ph D MISTE.MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus
BANGALORE- 560 056
e- mail. manjeshl@yahoo.com

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 11-05-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**23.60%**	Not more than 30 %
2	Impact Value	----,,----	**25.40 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM

*As Furnished by Client

The Results relate only to the items tested.

11/05/2015

Dr. MANJESH .L
ME(Civil Engg.) Ph.D. MISTE, MIRC
Associate Professor
Department of Civil Engineering
Bangalore University. Jnanabharathi Campus,
BANGALORE 560 056.
E-mail: manjesnl@yahoo.com

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BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Phone Off: 080-22961935 / 1946
E-mail: centrans9@gmail.com

JNANA BHARATHI
BANGALORE - 560 056

BUB/CTE/2015-16/ Date: 21-05-2015

TEST REPORT ON BITUMINOUS MIXES
(BITUMEN EXTRACTION TEST & GRADATION TEST)

Sub: Testing of Bitumen Premix Sample (Semi Dense Bituminous Concrete-SDBC).
{Project*: Improvements to Road at UAS Apartment Road in Ward No.09 Vidyaranyapura Sub-Division Change of Work: improvements to Road from Venkateswamappa Layout to Gnaneshwari Layout Main Road in Ward No.09 Vidyaranyapura Sub-Division}

Ref. : Letter No. Testing/BUB/2015-16, dated 19-05-2015
Sample supplied to lab by : Assistant Executive Engineer,
Vidyaranyapura Sub-Division
BBMP, Bangalore
Name of the Contractor/Agency*: Smt Shantha Kumari, Contractor, Bangalore.

TEST RESULTS:

3. The bitumen content obtained after subjecting the sample for Bitumen Extraction test = **5.06 %**
4. **Gradation Test** :

Sieve Size, mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Gradation requirement as per Table 500-15 of MORTH Specifications-2001 (Grading – 2)
13.2	**100**	100
9.5	**96.00**	90—100
4.75	**47.50**	35—51
2.36	**31.00**	24—39
1.18	**26.00**	15—30
0.3	**15.80**	09—19
0.075	**5.00**	03—08

* As furnished by Client.
The Results relate only to the items tested.

Accepted

ಸಹಿ/- G.R. HARISH
Professor
Department of Civil Engineering
Jnana Bharathi Compus
BANGALORE UNIVERSITY
Bangalore-560 056.

Dr. MANJESH .L
ME (Civil Engg). Ph D MISTE.MIRC
Associate Professor
Department of Civil Engineering
Bangalore University Jnanabharathi Campus
BANGALORE- 560 056
e- mail. manjeshl@yahoo.com

BANGALORE UNIVERSITY
DEPARTMENT OF CIVIL ENGINEERING

Date: 21-05-2015

TABLE 12 :

SL No	Test conducted	Sample No	Results	Requirements as per IS:383-1970 & Test Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2007)
1	Flakiness & Elongation Index	01	**23.60%**	Not more than 30 %
2	Impact Value	----,,----	**22.80 %**	Not more then 24.00 % for BC Not more then 27.00 % for DBM Not more then 30.00 % for BM/WMM
3	Water absorption	----,,----	**0.30%**	Not more than 1.0 %
4	Stripping test. (Coating and stripping of Bitumen aggregate mixtures)	----,,----	**97.70 %**	Minimum retained coating 95.0 **%**

*As Furnished by Client

The Results relate only to the items tested.

21/05/2015

DEPARTMENT OF CIVIL ENGINEERING * BANGALORE UNIVERSITY

Dr. MANJESH .L
ME(Civil Engg.) Ph.D. MISTE, MIRC
Associate Professor
Department of Civil Engineering
Bangalore University, Jnanabharathi Campus,
BANGALORE 560 056.
E-mail manjeshl@yahoo.com